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Northamptonshire County Council.

EDUCATION COMMITTEE.

TENTH
ANNUAL REPORT

ON THE

MEDICAL INSPECTION OF
CHILDREN IN SCHOOLS
FOR THE YEAR 1917,

BY

CHARLES E. PAGET,

County Medical Officer of Health.

Inspecting Staff :

MISS M. J. KEERS, M.B., Ch.B.

Temporary Assistant School Medical Officer.

NORTHAMPTON ;

Printed by LEA & Co., LTD., Gold Street.

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Prefatory Remarks. I have the honour herewith to present the Tenth Annual Report on the Medical Inspection of Children, except where stated otherwise, in the Public Elementary Schools of the Administrative County of Northampton, exclusive of those situated in the Urban District of Kettering, where elementary education is administered separately. The period covered by the report is the year 1917.

(a) STAFF. No changes have to be recorded in respect of the staff, which was the same as for the year 1916.

(b) TREATMENT OF BLIND, AND DEAF AND DUMB CHILDREN. Particulars are submitted herewith in tabular form respecting the Institutional Treatment of Children who have been found to be wholly Blind or Deaf and Dumb. It appears that 38 children were under treatment during part or the whole of the year, of whom two of the Deaf and Dumb were new cases. Three Blind children were withdrawn during the year, as were also three Deaf and Dumb children, on reaching the age of 16 years. One Deaf and Dumb child was withdrawn owing to ill health, she being subject to epileptic fits. There were thus 31 children left under treatment at the end of the year.

(c) PHYSICAL TRAINING CLASSES. Mr. J. L. Holland, the Secretary of the Education Committee, has informed me that the causes to which were attributed in my last report the falling off in the number of Evening Schools, and the consequent reduction in the number of Physical Training Classes, continued to be operative, and in the circumstances it may be regarded as satisfactory that the number of Classes shows an increase of one as compared with the Session of 1916-17. Of the 14 Classes which are being held this Session at Schools in the following places—Higham Ferrers, Irthlingborough, Kettering, Rothwell, and Wellingborough—all but one are for women and girls. The attendance varies, but on the average is rather more than 14, which may be regarded as fair. One of the Classes at Wellingborough is attended by Elementary School teachers wishful to increase their efficiency as teachers of the subject in their Schools; this class, under a highly qualified instructress, is very successful.

(d) PROVISION OF BUILDINGS. No new Schools were erected during the year 1917, nor were any extensive reconstructions or additions taken in hand. The Committee acquired a large private

house, standing in its own grounds, at Kettering, as annexe to the Kettering Girls' High School, which was seriously overcrowded. This building is being fitted to accommodate the younger pupils, the alterations however being of quite minor importance, and is recognised provisionally by the Board of Education as affording accommodation for 80 scholars. It is expected that the Brackley Medical Inspection Room will be brought into use very shortly.

(e) PROVISION OF SPECTACLES. In regard to the arrangements made in January, 1916, for the examination of defective vision cases, Dr. Harries Jones saw 252 children, viz., 45 at Northampton, 108 at Wellingborough, 48 at Kettering, 28 at Daventry, and 23 at Oundle. In 7 of these cases no glasses were ordered. All the other children, with the exception of two, have obtained spectacles, the two in question paying for them by instalments which were not completed at the end of the year. During the year 39 applications for assistance towards the payment of the examination fee and cost of spectacles were considered. In 21 cases the examination fee was remitted; in 4 cases the examination fee and part of the cost of spectacles was excused; in one case the travelling expenses of the child and parent were remitted; and in 11 cases no charge for examination or provision of spectacles was made. In respect of 2 of the applications the Committee made no reduction.

Extent of Medical Inspection. At the commencement of the year the Schools at Wellingborough, Finedon, and Irthlingborough were fully inspected, *i.e.*, children of all ages were seen. Subsequently, at the suggestion of the Board of Education Inspector, the inspections were limited to children of 12 years of age or over and such other children as were considered to be in need of attention. These latter have been divided into "Specials" and "Re-examinations." There were in all 1,112 Specials and 1,406 Re-examinations. The parents of 52·7 per cent. of the children inspected attended, as against 57·6 per cent. in the year 1916.

The following table shows on the plan of previous years, the full number of the public elementary school children who were newly examined during the year 1917, arranged in age-groups irrespective of sex, together with the corresponding figures for the year 1916, for the sake of comparison :—

									1916	1917
(i.)	No. of children newly examined between the ages									
	of 3 and 4 years, routine inspections ..								262	164
(ii.)	„ „ 4 „ 5 „ „ „ ..								525	308
(iii.)	„ „ 5 „ 6 „ „ „ ..								546	239
(iv.)	„ „ 6 „ 7 „ „ „ ..								284	129
(v.)	„ „ 7 „ 8 „ „ „ ..								61	29
(vi.)	„ „ 8 „ 9 „ „ „ ..								35	1
(vii.)	„ „ 9 „ 10 „ „ „ ..								26	1
(viii.)	„ „ 10 „ 11 „ „ „ ..								15	0
(ix.)	„ „ 11 „ 12 „ „ „ ..								62	170
(x.)	„ „ 12 „ 13 „ „ „ ..								534	1624
(xi.)	„ „ 13 „ 14 „ „ „ ..								111	357
(xii.)	„ „ 14 „ 15 „ „ „ ..								6	12
(xiii.)	No. of children at all ages, special inspections									1112
									—	—
	Totals								2467	4146
									—	—

From this it will be seen that the number of newly examined compares very favourably with that for the year 1916, and this was due to the economy of time secured through the non-examination of many entrants in the earlier age-groups.

The distribution of the scholars who were thus examined in respect of the several Urban and Rural Districts of the County is shown in the following table :—

PUBLIC HEALTH DISTRICTS.	Routine Inspections.				Special Inspections.		TOTALS.		
	Entrants.		Leavers.		Boys	Girls	Boys	Girls	Total
	Boys	Girls	Boys	Girls					
Brackley Borough	..	..	18	20	9	2	27	22	49
Daventry ..	..	..	33	37	25	13	58	50	108
Higham Ferrers ..	..	..	20	30	12	10	32	40	72
Desborough Urban	..	..	3	13	19	20	22	33	55
Finedon ..	81	83	12	25	21	15	114	123	237
Irthlingborough ..	104	94	42	41	18	17	164	152	316
Oundle ..	..	..	15	19	3	2	18	21	39
Raunds ..	..	..	52	49	19	11	71	60	131
Rothwell ..	..	..	4	1	14	16	18	17	35
Rushden ..	..	..	152	138	35	27	187	165	352
Wellingborough ..	259	250	191	224	58	63	508	537	1045
Brackley Rural	..	..	32	89	24	11	56	100	156
Brixworth ..	..	..	63	94	25	25	88	119	207
Crick ..	..	..	14	26	5	5	19	31	50
Daventry ..	..	..	99	100	32	53	131	153	284
Easton-on-the-Hill,,	..	..	13	16	2	..	15	16	31
Gretton ..	..	..	10	11	4	..	14	11	25
Hardingstone ..	..	..	2	3	18	14	20	17	37
Kettering ..	..	..	3	2	15	17	18	19	37
Middleton Cheney ..	..	..	20	32	5	2	25	34	59
Northampton ..	..	..	3	2	1	..	4	2	6
Oundle ..	..	..	34	52	14	21	48	73	121
Oxendon ..	..	..	31	42	19	22	50	64	114
Potterspury ..	..	..	2	5	9	7	11	12	23
Thrapston ..	..	..	37	64	33	40	70	104	174
Towcester ..	..	..	35	67	68	56	103	123	226
Wellingborough ..	..	..	3	18	71	65	74	83	157
TOTALS	444	427	943	1220	578	534	1965	2181	4146
	3034				1112				

Entrants and Leavers. The following Table I. is in the form adopted from the year 1914, in accordance with the wish of the Board of Education, and shows the total of 5,552 examinations, inclusive of the 1,406 re-examinations, made during the year.

TABLE I.

NUMBER OF CHILDREN INSPECTED FROM 1ST JANUARY TO 31ST DECEMBER, 1917. A "CODE" GROUPS.

ENTRANTS.							LEAVERS.					Grand Totals.
Years	3	4	5	6	7-10	Total	11	12	13	14	Total	
Boys	86	161	130	53	14	444	76	738	123	6	943	1387
Girls	78	147	109	76	17	427	94	886	234	6	1220	1647
Totals	164	308	239	129	31	871	170	1624	357	12	2163	3034

B. GROUPS, OTHER THAN "CODE."*

I	Intermediate. 2	Special Cases. 3	Re-examined. 4	Totals. 5
Boys	..	578	806	1384
Girls	..	534	600	1134
Totals	..	1112	1406	2518

* In areas where routine inspections have been suspended and the "ailing children" basis adopted, the number of children inspected should be entered in column 3.

Heights and Weights. The facts as to the heights and weights of the children examined in 1917, in respect of both sexes and also of the combined Urban and Rural Districts respectively, are shown in Tables III. and VI. at the end of this report. In spite of some variations from the record shown for the year 1916, the averages obtained for 1917 are not unfavourable ; but the weights of the children are generally nearer the anthropometric standard in the Urban than in the Rural areas.

Return of Defects. Under date the 10th January, 1918, the Board of Education issued a letter requesting the inclusion of certain Tables in the report, as set out in Appendix G. of the Report for 1916 of the Board's Chief Medical Officer. Table I. has been given already ; it now remains to insert Table II. in the new abbreviated form as supplied by the Board. This table is not informative as to the rate of disease incidence, but is intended evidently to show, with the other Tables IV. and V., the proportions between treatment and ascertained defects requiring remedy. In supplement, therefore, of Table II. the following remarks are added in respect of the defects found among the Entrants and Leavers, in conformity with the plan of previous reports, and based on the facts shown in Table VII. at the end of the Report.

(a) CLOTHING AND CLEANLINESS. The rates for satisfactory Clothing and Footgear were exceptionally good, the percentages being 99·54 and 99·34 respectively. It is to be regretted that the same cannot be said in respect of Cleanliness of Body or of Head, the percentage of the former being only 95·95 as against 96·36 in the year 1916, and of the latter 89·65 as against 89·34 in 1916. The rate of uncleanliness of head among the girl leavers was marked, being 16·0 per cent., as against 15·7 per cent. in 1916, 12·8 per cent in 1915, and 9·4 per cent. in 1914. This evidence of carelessness or indifference undoubtedly calls for prompt attention in the interest of the schools as well as of the scholars themselves.

TABLE II.

RETURN OF DEFECTS FOUND IN THE COURSE OF MEDICAL
INSPECTION IN 1917.

DEFECT OR DISEASE.					CODE GROUPS.		SPECIALS.	
					Number referred for Treatment.	Number requiring to be kept under observation, but not referred for Treatment.	Number referred for Treatment.	Number requiring to be kept under observation, but not referred for Treatment.
(1)					(2)	(3)	(4)	(5)
Skin	Malnutrition	..	..	..	3	3	..	..
	Uncleanliness—Head ..	..	..	..	1	13	..	5
	Body ..	..	..	..	..	6	..	2
	{ Ringworm—Head ..	..	..	..	1	..	2	..
	Body ..	..	..	..	1	..	..	..
	{ Scabies	..	..	..	2	..	..	..
	{ Impetigo	..	..	..	..	2	..	..
	{ Other Disease	..	..	..	1	..	..	..
	{ Defective Vision & Squint ..	..	..	..	187	10	28	6
	{ External Eye Disease ..	..	..	..	3	5	1	4
Eye	{ Defective Hearing	..	..	..	..	2	2	1
Ear	{ Ear Disease	..	..	..	5	1	3	..
Teeth	Dental Disease	..	..	..	68	..	1	..
Nose and Throat	{ Enlarged Tonsils	..	..	..	27	22	5	9
	{ Adenoids	..	..	..	19	5	17	2
	{ Enlarged Tonsils and Adenoids	..	..	..	12	..	5	2
	{ Defective Speech	..	..	..	..	4	..	2
Heart & Circu- lation	{ Heart Disease—	..	..	..	..	..	..	..
	{ Organic	..	..	..	4	60	1	6
	{ Functional	..	..	..	..	7	..	1
	{ Anæmia	..	..	..	46	12	5	4
Lungs	{ Pulmonary Tuberculosis :	..	..	..	..	..	..	..
	{ Definite	..	..	..	6	17	1	4
	{ Suspected	..	..	..	1	14	..	5
	{ Chronic Bronchitis	..	..	..	3	14	3	10
	{ Other Disease	..	..	..	..	66	..	14
Nervous System	{ Epilepsy	..	..	..	..	3	..	2
	{ Chorea	..	..	..	..	1	..	..
	{ Other Disease	..	..	..	..	1	..	..
	{ Non-pulm. Tuberculosis :	..	..	..	..	..	..	..
	{ Glands	..	..	..	1	4	2	..
	{ Bones and Joints	..	..	..	..	..	..	..
	{ Other Forms	..	..	..	..	1	..	..
	{ Rickets	..	..	..	1	..	..	..
	{ Deformities	..	..	..	11	11	2	10
	{ Other Defects or Diseases	..	..	..	12	21	4	13
TOTAL					415	305	82	102

(b) NUTRITION. It is pleasing to record that the returns as to nutrition were good ; there was no instance of " bad " nutrition, and the rate for " below normal " was only 4.02 per cent., while the rate for excellent and normal nutrition amounted to 95.98 per cent. When the economic conditions of the year are taken into consideration, these returns may well be regarded with satisfaction.

(c) NOSE AND THROAT. The results of the examinations in 1917, in respect of naso-pharyngeal defects, are distinctly more favourable than those for the two preceding years. The total rate of freedom from defects was 82.83 per cent., as against 76.81 per cent. in 1916 and 68.74 per cent. in 1915. There is no evidence as to the effect that the regular cultivation of breathing exercises has had in the production of this result, but there can be no doubt of the important influence of such training on the health of children and in the rendering them less prone to naso-pharyngeal obstruction. The number of noticeable mouth-breathers in 1917 was found to be at the rate of 2.83 per cent., as against 3.81 per cent. in 1916, and 4.62 per cent. in 1915 ; while the rate of the total tonsillar enlargement was 14.18 per cent., as against 19.81 per cent. in 1916, and of the existence of adenoids 5.47 per cent., as against 10.29 per cent. in 1916. It is important to note, in this connection, that the estimation of these defects in the years quoted was made by the same medical observer.

(d) EXTERNAL EYE DISEASE. There was less evidence in 1917 of eye trouble than in previous years, the amount of blepharitis or inflammation of the eyelids being only 1.05 per cent., as against an average rate of over half as much more. The total amount of freedom from the defects classified under external eye disease was at the satisfactory rate of 98.66 per cent., and no instance of corneal opacity was recorded.

(e) EAR DISEASE AND HEARING. The rates for absence of serious ear disease and for normal hearing are both highly satis-

factory, and amount to 99·47 per cent., and 99·77 per cent. respectively. There is no record of any obstruction to ear passages, and the extent of otorrhoea is well below the average of previous years. No child was recorded as being deaf and dumb.

(f) TEETH. The proportion of children with sound teeth varies very slightly from year to year, and in the year 1917 was no more than 34·67 per cent., as against 33·52 per cent. in 1916, 35·80 per cent. in 1915, and 31·71 per cent. in 1914. No case of sepsis was noted, but, of the 3,034 children examined, 1,365 had dirty teeth, being at the rate of 44·99 per cent., as against 37·29 per cent. in 1916, and 45·0 per cent. in 1915.

(g) DEFORMITY AND DISEASE. The amount of deformity recorded as being present in the children examined during 1917 is only 1·29 per cent., as against 1·5 per cent. in 1916. This rate is well below the average of previous years, and may be regarded as very satisfactory. I regret to notice, however, that the tendency to proportional increase in observable anæmia, to which I drew attention in the report for 1916, shows no present sign of lessening, the rate for 1917 being 3·79 per cent., as against 3·65 per cent. in 1916. On the other hand, the rate for organic disease of the heart and circulation was less high and the total freedom from heart disease greater, than in 1916. In regard to pulmonary conditions, the proportion of cases of chronic bronchitis and bronchial catarrh was distinctly less than might be anticipated when the inclement conditions of the earlier months of 1917 are considered, but it is regrettable to find that the proportion of pulmonary tuberculosis—definite and suspected—was considerably increased, the total being 1·36 per cent., as against 0·60 per cent. in 1916. Under the heading of the Nervous System, only three cases of epilepsy were noted, and no case of chorea was recorded, and the rate of freedom from disease amounted to 99·67 per cent. Five cases of rickets, of which one was marked, were observed, and 17 cases of skin disease, of which 4 were ringworm.

(h) SPEECH. In regard to defective articulation, it would appear that the pains taken to rectify this defect are meeting with a large measure of success. At the same time, it must not be overlooked that the calculations made for the year 1917 are in respect of a larger number of "Leavers" and fewer "Entrants" than in previous years. With this reservation, it may be stated that the rate for defective articulation in 1917 was only 0.46 per cent., as against 1.7 per cent. in 1916, 2.78 per cent. in 1915, 1.76 per cent. in 1914, 2.04 per cent. in 1913, 2.4 per cent. in 1912, and 5.0 per cent. in 1911.

(i) MENTAL CONDITION. The proportion of dull or backward children found in 1917 was 3 per cent. of those examined, which was the same rate as for the preceding year, and a considerable improvement when compared with the year 1915. It is satisfactory, moreover, to note that the proportion of mentally defective children only amounted to 0.13 per cent., as against 0.32 per cent. in 1916.

(j) VISION. As in the two preceding years, "Leavers" only were examined in 1917 for eyesight. The rate for normal vision was found to be 70.36 per cent., as compared with 71.39 per cent. in 1916, and as against 67.27 per cent. and 67.02 per cent. respectively in the years 1915 and 1914. The rate for 1917 may be considered therefore as a satisfactory one. The existence of squint among the "Leavers" was more marked than in the previous three years, amounting to 0.92 per cent., as against 0.14 per cent. in 1916, 0.42 per cent. in 1915, and 0.59 per cent. in 1914. There was no case of total blindness.

Treatment of Defects. The following Tables IV. and V. in respect of treatment are those asked for by the Board of Education, and are submitted now in place of the tables heretofore presented by me in previous reports. I have made, however, two alterations in Table IV. which seem to be required in respect of this county, viz.:—The insertion of a column showing the number of

TABLE IV. TREATMENT OF DEFECTS OF CHILDREN DURING 1917.

Condition.	No. of defects found for which Treatment was considered necessary.			No. of defects for which no report is available.	Left.	No. of defects treated.	Results of Treatment.			No. of defects not treated.	Percentage of defects treated.
	From previous year.	New.	Total.				Remedied.	Improved.	Unchanged or No Information.		
Clothing	..	..	..	..	..	..	..	..	..	..	..
Footgear	..	..	..	..	..	..	..	..	..	..	..
Cleanliness of Head ..	..	1	1	1	..	..	..	..	..	..	00-00
Cleanliness of Body ..	..	..	..	..	..	..	..	..	..	..	..
Nutrition	..	8	8	3	..	5	..	1	4	..	62-50
Nose and Throat.....	9	143	152	21	..	44	2	1	41	87	28-95
External Eye Disease ..	..	8	8	2	..	4	..	..	4	2	50-00
Ear Disease	..	25	25	3	..	12	1	..	11	10	48-00
Teeth.....	2	91	93	6	3	30	..	..	30	54	32-26
Heart and Circulation ..	..	83	83	6	5	45	..	6	39	27	54-22
Lungs	..	27	27	2	..	19	1	2	16	6	70-37
Nervous System	..	..	..	..	..	..	..	..	..	..	..
Skin	..	8	8	1	..	6	2	..	4	1	75-00
Rickets	..	..	..	..	..	..	..	..	..	..	..
Deformities	..	23	23	6	..	12	..	2	10	5	52-17
Tuberculosis—Non-pulmonary	..	3	3	1	..	1	..	..	1	1	33-33
Speech	..	..	..	..	..	..	..	..	..	..	..
Mental Condition	..	..	..	..	..	..	..	..	..	..	..
Vision and Squint	56	397	453	10	12	274	..	..	274	157	60-48
Hearing.....	..	..	..	..	..	..	..	..	..	..	..
Miscellaneous	..	20	20	3	..	8	..	1	7	9	40-00
TOTAL	67	837	904	65	20	460	6	13	441	359	50-88

defects in scholars who left the county without leaving record as to the treatment of their defects, and the addition of the words "or No Information" to that of "Unchanged" in the third column relating to Results of Treatment. This last column would have a remarkable appearance if it had simply seemed to record a fact of 441 defects out of 460 having remained unchanged after treatment, and for this reason, therefore, the record of no information thereon has been added. From the facts recorded, the percentage of defects treated appears to have been slightly higher in 1917 than in previous years, but it can hardly be regarded as satisfactory that 49.12 per cent. of the discovered defects should have remained untreated at the end of the year.

TABLE V.

INSPECTION, TREATMENT, &C., OF CHILDREN DURING 1917.

(1). The total number of children medically inspected (whether Code Group, special, or re-examined, or ailing child)	5552
(2). The number of children in (1) suffering from defects (other than uncleanness or defective clothing or footgear) who require to be kept under observation (but not referred for treat- ment)	612
(3). The number of children in (1) who were referred for treatment (excluding uncleanness, defective clothing, etc.)	490
(4) The number of children in (3) who received treatment for one or more defects (excluding uncleanness, defective clothing, etc.)	454

Secondary School Inspections. In the Kettering and Wellingborough High Schools, there were 105 girls examined ; there were also 34 re-examinations. The records as to heights and weights are shown in Table VI. at the end of this report, and these represent fair average conditions ; those relating to vision are above the average in respect of normal vision, which amounted to 85·72 per cent., as against 75·98 per cent. in 1916, and 72·66 per cent. in 1915. With regard to defects, other than of vision, there were seven cases of anæmia and four of organic disease of the heart, four cases of chronic bronchitis or bronchial catarrh, one of deformity and two of suspected tuberculosis. In two cases there were much enlarged tonsils, and in three nutrition was considered to be below normal. It should not be possible, however, to record that in two such schools there were seven instances of uncleanliness of the head (nits only), and dirty teeth in 40 per cent. of the girls examined.

In respect of treatment, the parents of twenty-eight girls were written to regarding defects requiring attention, viz.:—Defective or carious teeth, 19 ; defective vision, 4 ; tonsils or adenoids, 3 ; anaemia, 2. As the result of such action, teeth were extracted in 13 cases, spectacles provided in 3 cases, operations performed for the nose and throat in 2 cases, and treatment for anæmia obtained privately in 2 cases.

CHARLES E. PAGET,

County Medical Officer of Health.

COUNTY HALL,
NORTHAMPTON,
June 5th, 1918.



Particulars as to Children who were at Institutions for the Blind, and Deaf and Dumb, during any part of the Year 1917.

No.	Initials of Child.	Residence of Parent or Guardian.	Name of Institution.	Date of Entering Institution.	Date of Leaving Institution.	Annual Charge by Institution.	Weekly Contribution of Parent.	Report upon Case.
1	Blind Children. Florence E. E.	Hackleton.....	Royal Institution for Blind, Birmingham	20 Jan., '15	28 June, '21	£ 30	3/-	Handwork continues very good Elementary education subjects weak.
2	J. W. C.	Desborough	School for the Blind, Liverpool	29 Nov., '10	22 May, '17	26	1/6	Left the Institution in May, 1917.
3	Florence C.	Rushden	Do.	29 Mar., '12	3 April, '19	26	1/6	Sense of touch poor, arithmetic weak. Otherwise very good report.
4	N. F. B.	Bulwick	Do.	25 Oct., '12	22 Feb., '19	26	1/6	Shows keen interest in his work. Good progress made.
5	R. F.	Cogenhoe	Do.	25 Oct., '12	10 Mar., '21	26	1/-	Good report ; has passed a music examination with distinction.
6	W. C.	Little Weldon	Do.	7 Jan., '13	4 April, '21	26	1/-	Health much improved. Sense of touch still weak.
7	W. F. H. L. ..	Stanion	Do.	24 Sept., '15	17 Feb., '21	26	6d.	All work reported as good.
8	W. E. D.	Duddington	Do.	11 Jan., '16	4 Oct., '25	26	1/-	Making good progress, despite absence through ringworm.
9	C. A. B.	Bulwick	Yorkshire School for the Blind	27 Oct., '13	11 Nov., '21	26/5/-	1/-	Report still very good. A helpful boy with considerable initiative.
10	E. S.	Charlton	Brighton Asylum for the Instruction of the Blind	13 Jan., '14	29 June, '22	27	1/-	Hard worker ; report thoroughly good all through.
11	W. T.	Burton Latimer	Do.	17 Jan., '14	14 Mar., '21	27	2/-	Good at all handwork ; " fair " to " good " in other subjects.
12	A. H. R.	Castle Ashby	London Society for teaching and training Blind	16 Jan., '14	5 Oct., '21	36	3/-	Progress satisfactory, has average ability and attainments.
13	Kate S.	Lowick	Do.	14 Oct., '14	11 Dec., '21	36	1/-	Continues to make satisfactory progress.
14	Annie F.	Cogenhoe	Do.	6 Jan., '15	10 Mar., '24	36	1/-	Has ability somewhat above the average.
15	R. H.	Braunston	Normal College of Music for the Blind, Norwood	5 Jan., '15	31 July, '17	..	..	Now qualified as piano tuner. Won tuning and construction prizes.
16	J. M. G.	Kings Cliffe	Royal Midland Institution for Blind	24 April, '15	26 May, '17	..	1/-	Left the Institution in May, 1917.
17	Dorothy L.	Easton	Barclay Home for Blind Girls, Brighton	20 Aug., '15	31 July, '18	30	2/-	Backward and slow ; is learning knitting.
18	Deaf and Dumb Children. S. W.	Silverstone	Royal Institution for Deaf and Dumb, Birmingham	23 Mar., '16	25 Mar., '25	33	2/6	Does steady work and makes fair progress.
19	Doris R.	Duston	Do.	26 April, '16	24 Sept., '20	33	1/-	Makes good progress, willing ; should do well.
20	W. F. H. A. ..	Rushden	Do.	5 May, '16	20 Dec., '18	33	4/-	Poor physique, unfit for trade, good at composition.
21	F. C. S.	Kilsby	Do.	23 April, '17	26 Jan., '26	33	1/6	Keen and intelligent. Promises to do well.
22	Annie L. P.	Crick	Royal Institution for the Deaf and Dumb, Derby	19 Jan., '09	18 Dec., '17	33	Nil.	Conduct good, but attainments only " poor " or " fair."
23	Florence E. H.	Rushden	Do.	18 Nov., '11	15 Oct., '20	33	1/-	Report continues good, except as to speech and writing.
24	Ethel R.	Long Buckby	Do.	11 Jan., '12	10 Feb., '24	33	3/-	Progress limited, due to defective memory.
25	Edith R.	Raunds	Do.	29 Aug., '13	6 June, '22	33	1/-	Report still shows all subjects but speech " good " or " very good."
26	L. H.	Great Brington	Do.	16 Mar., '15	13 Oct., '22	33	6d.	Still making steady progress, though reading is weak.
27	Elsie M. F.	Wellingborough	Do.	10 Sept., '17	2 Oct., '25	33	2/6	Attainments good as a whole. Lip-reading and writing are only fair.
28	Dora W.	Welford.....	Royal Schools for the Deaf and Dumb, Manchester	20 Oct., '09	4 Oct., '17	35	1/-	Left the Institution in October, 1917.
29	Gertrude W. ..	Ringstead	Do.	17 Jan., '10	2 Dec., '18	35	1/-	Progress much improved. Helpful and thoughtful.
30	Dorothy M. S.	Corby	Do.	24 Jan., '10	26 July, '17	35	1/-	Improvement not maintained, lacks interest, is lethargic.
31	J. T.	Wellingborough	Do.	16 Jan., '11	28 July, '19	35	1/-	
32	C. J.	Harpole.....	Do.	1 May, '11	18 April, '20	35	Nil.	Progress very slow, due to bad memory and nervous disposition.
33	G. H.	Finedon	Do.	11 Jan., '13	13 Feb., '21	35	2/-	Does good work, is specially able with his hands.
34	G. A. R.	Woodford, Thrapston	Do.	7 April, '13	30 Sept., '21	35	1/-	Memory much improved. Report now quite satisfactory.
35	A. E. P.	Brackley	Do.	6 Sept., '15	30 May, '24	35	1/-	Works hard, nervous, finds speech very difficult.
36	C. V.	Culworth	Do.	6 Sept., '15	7 Mar., '17	..	1/-	Left the Institution in March, 1917.
37	L. G.	Grendon	Do.	17 Jan., '16	10 July, '24	35	2/-	Doing good work, has a retentive memory.
38	Edith M. J.	Wellingborough	Deaf and Dumb Institution, Brighton	4 Sept., '16	14 Mar., '21	30	6d.	Eager to learn, but progress retarded by bad sight.

In respect of the columns "Ages" and "No. Examined" certain of the children were not examined, viz.:—

Aged	3— 4,	31	for Height,	29	for Weight.
"	4— 5,	42	"	38	"
"	5— 6,	24	"	27	"
"	6— 7,	23	"	28	"
"	7— 8,	2	"	2	"
"	11—12,	13	"	20	"
"	12—13,	52	"	112	"
"	13—14,	15	"	41	"
"	14—15,	0	"	2	"

TABLE III.

AGES.	No. Examined	Sum of Heights. (Inches.)	Average Height.		Sum of Weights. (Lbs.)	Average Weight.	
			English (Inches.)	Metric (Centimetres.)		English (Lbs.)	Metric (Kilos.)
COMBINED URBAN DISTRICTS:							
BOYS.							
3— 4 years of age ..	86	2540 $\frac{1}{2}$	37 $\frac{1}{4}$	94·6	2340 $\frac{1}{2}$	34	15·4
4— 5 " " " ..	161	5587 $\frac{1}{2}$	39 $\frac{1}{2}$	100·3	5227	37	16·8
5— 6 " " " ..	130	4630	41 $\frac{1}{4}$	104·8	4284	39 $\frac{1}{4}$	17·8
6— 7 " " " ..	53	1870	42 $\frac{1}{2}$	107·9	1797	40 $\frac{3}{4}$	18·5
7— 8 " " " ..	13	579 $\frac{1}{2}$	44 $\frac{1}{2}$	113·0	593 $\frac{1}{2}$	45 $\frac{1}{2}$	20·6
8— 9 " " " ..	1	46 $\frac{1}{2}$	46 $\frac{1}{2}$	118·1	46	46	20·9
11—12 " " " ..	47	2196	47 $\frac{3}{4}$	121·3	2680 $\frac{1}{2}$	58 $\frac{1}{4}$	26·4
12—13 " " " ..	424	23206	55	139·7	32566 $\frac{1}{2}$	77	34·9
13—14 " " " ..	67	3828	58	147·3	5419 $\frac{1}{2}$	82	37·2
14—15 " " " ..	4	229	57 $\frac{1}{4}$	145·4	346 $\frac{1}{2}$	86 $\frac{1}{2}$	39·2
GIRLS.							
3— 4 " " " ..	78	2334	36	91·5	2072 $\frac{1}{2}$	31 $\frac{1}{4}$	14·2
4— 5 " " " ..	147	4877 $\frac{1}{2}$	39	99·1	4602 $\frac{1}{2}$	35 $\frac{3}{4}$	16·2
5— 6 " " " ..	109	4270	41 $\frac{1}{2}$	105·4	3988	38 $\frac{3}{4}$	17·6
6— 7 " " " ..	76	2470 $\frac{1}{2}$	43 $\frac{1}{4}$	109·9	2342	41	18·6
7— 8 " " " ..	16	632	45	114·3	636 $\frac{1}{2}$	45 $\frac{1}{2}$	20·6
9—10 " " " ..	1	45 $\frac{1}{2}$	45 $\frac{1}{2}$	115·5	47	47	21·3
11—12 " " " ..	50	2494 $\frac{1}{2}$	53	134·6	3060	65	29·5
12—13 " " " ..	458	24927	55 $\frac{3}{4}$	141·6	32773	74	33·6
13—14 " " " ..	86	4688	58 $\frac{1}{2}$	148·6	6714 $\frac{1}{2}$	84	38·1
14—15 " " " ..	3	185	61 $\frac{1}{2}$	156·2	281 $\frac{1}{2}$	93 $\frac{3}{4}$	42·5
COMBINED RURAL DISTRICTS:							
BOYS.							
11—12 years of age ..	29	1458	54	137·1	1634 $\frac{1}{2}$	65 $\frac{1}{4}$	29·6
12—13 " " " ..	314	16827	56 $\frac{1}{4}$	142·9	20283	73 $\frac{3}{4}$	33·4
13—14 " " " ..	56	3222	57 $\frac{1}{2}$	146·0	3817	78	35·4
14—15 " " " ..	2	113 $\frac{1}{2}$	56 $\frac{3}{4}$	144·2	141 $\frac{1}{2}$	70 $\frac{3}{4}$	32·1
GIRLS.							
11—12 years of age ..	44	1982	53 $\frac{1}{2}$	135·9	2025	63 $\frac{1}{4}$	28·7
12—13 " " " ..	428	22935	56 $\frac{1}{2}$	143·5	28064 $\frac{1}{2}$	75 $\frac{1}{2}$	34·2
13—14 " " " ..	148	8213	58 $\frac{3}{4}$	149·3	9864 $\frac{1}{2}$	81 $\frac{1}{2}$	37·0
14—15 " " " ..	3	174	58	147·3	85	85	38·6
	3034						

TABLE VI.
SECONDARY SCHOOLS.

One girl was not examined for Height and Weight, viz.:—
1 aged 9—10.

AGES.	No. Examined	Sum of Heights. (Inches.)	Average Height.		Sum of Weights. (Lbs.)	Average Weight.	
			English. (Inches.)	Metric (Centimetres.)		English (Lbs.)	Metric (Kilos.)
GIRLS.							
7— 8 years of age ..	2	93	46½	118·1	98	49	22·2
8— 9 " " ..	18	881	49	124·4	961	53¼	24·1
9—10 " " ..	7	337	56	142·2	475½	79¼	35·9
10—11 " " ..	7	379	54	137·2	452½	64½	29·2
11—12 " " ..	25	1394½	55¾	141·6	1747½	69¾	31·6
12—13 " " ..	19	1043	54¾	139·1	1382	72¾	33·0
13—14 " " ..	12	731½	61	154·9	1069	89	40·3
14—15 " " ..	9	585½	65	165·1	922	102½	46·5
15—16 " " ..	4	251	62¾	159·4	435	108¾	49·3
17—18 " " ..	2	130	65	165·1	213½	106¾	48·4
105							

TABLE VII. Return Showing Physical Condition of Children Inspected.

TOTAL (URBAN AND RURAL DISTRICTS COMBINED).

CONDITION.		ENTRANTS.				LEAVERS.				TOTAL.			
		Boys.	Girls.	Total.	Per Cent.	Boys.	Girls.	Total.	Per Cent.	Boys.	Girls.	Total.	Per Cent.
Total Inspected		444	427	871	..	943	1220	2163	..	1387	1647	3034	..
CLOTHING	Satisfactory	442	425	867	99.54	934	1219	2153	99.52	1376	1644	3020	99.54
	Unsatisfactory	2	2	4	0.46	9	1	10	0.48	11	3	14	0.46
FOOTGEAR	Satisfactory	441	423	864	99.20	936	1214	2150	99.40	1377	1637	3014	99.34
	Unsatisfactory	3	4	7	0.80	7	6	13	0.60	10	10	20	0.66
CLEANLINESS OF HEAD	Clean (i.e., no nits or pediculi)	427	438	765	87.84	931	1024	1955	90.38	1358	1462	2720	89.65
	Nits only	15	84	99	11.36	10	192	202	9.34	25	276	301	9.92
	Pediculi.....	2	5	7	0.80	2	4	6	0.28	4	9	13	0.43
CLEANLINESS OF BODY.	Clean	419	412	831	95.42	904	1276	2080	96.17	1323	1688	2911	95.95
	Dirty	24	13	37	4.24	39	42	81	3.74	63	55	118	3.89
	Pediculi present ..	1	2	3	0.34	..	2	2	0.09	1	4	5	0.16
NUTRITION	Excellent	5	2	7	0.80	2	5	7	0.32	7	7	14	0.46
	Normal	428	412	840	96.45	890	1168	2058	95.15	1318	1580	2898	95.52
	Below Normal	11	13	24	2.75	51	47	98	4.53	62	60	122	4.02
	Bad	..	..	..	..	..	..	..	..	..	..	..	..
NOSE AND THROAT	No defect	347	342	689	79.10	779	1045	1824	84.33	1126	1387	2513	82.83
	Mouth Breathers ..	26	18	44	5.05	23	19	42	1.94	49	37	86	2.83
	Tonsils slightly enlarged	61	45	106	12.17	122	132	254	11.74	183	177	360	11.87
	Tonsils much enlarged	13	15	28	3.21	22	20	42	1.94	35	35	70	2.31
	Adenoids, slight ..	39	47	86	9.87	23	32	55	2.54	62	79	141	4.65
	Adenoids, marked ..	10	8	18	2.07	2	5	7	0.32	12	13	25	0.82
EXTERNAL EYE DISEASE	No disease	441	423	864	99.20	932	1197	2129	98.42	1373	1620	2993	98.66
	Blepharitis	2	4	6	0.69	8	18	26	1.20	10	22	32	1.05
	Conjunctivitis	..	..	..	..	2	2	4	0.19	2	2	4	0.13
	Corneal Opacities ..	..	..	..	..	..	..	..	..	..	..	..	..
	Other disease	1	..	1	0.11	1	3	4	0.19	2	3	5	0.16
EAR DISEASE	No disease	439	426	865	99.32	938	1215	2153	99.52	1377	1641	3018	99.47
	Obstruction—Right ..	..	..	..	..	..	..	..	..	..	..	..	..
	Obstruction—Left ..	..	..	..	..	..	..	..	..	..	..	..	..
	Otorrhœa—Right ..	3	..	3	0.34	3	2	5	0.25	6	2	8	0.27
	Otorrhœa—Left ..	..	1	1	0.11	2	2	4	0.19	2	3	5	0.16
	Other disease	2	..	2	0.23	..	1	1	0.04	2	1	3	0.10
TEETH	Sound	140	134	274	31.46	328	450	778	35.97	468	584	1052	34.67
	Less than 4 decayed	138	138	276	31.69	462	587	1049	48.50	600	725	1325	43.67
	Four or more decayed	166	155	321	36.85	153	183	336	15.53	319	338	657	21.66
	Sepsis	..	..	..	..	..	..	..	..	..	..	..	..
HEART AND CIRCULATION ..	No disease	423	404	827	94.95	888	1101	1989	91.96	1311	1505	2816	92.82
	Organic Disease	12	9	21	2.41	25	33	58	2.68	37	42	79	2.60
	Functional disease ..	..	2	2	0.23	13	8	21	0.97	13	10	23	0.76
	Anæmia	9	12	21	2.41	17	77	94	4.35	26	89	115	3.79
	Other defects	..	..	..	..	..	1	1	0.04	..	1	1	0.03
LUNGS	No disease	382	375	757	86.93	886	1167	2053	94.92	1268	1542	2810	92.61
	Chronic Bronchitis & Bronchial Catarrh	41	36	77	8.83	12	17	29	1.34	53	53	106	3.49
	Tuberculosis	2	..	2	0.23	10	10	20	0.92	12	10	22	0.73
	Tuberculosis suspected	2	2	4	0.46	10	5	15	0.69	12	7	19	0.63
	Other disease	17	14	31	3.55	25	21	46	2.13	42	35	77	2.54
NERVOUS SYSTEM	No disease	443	427	870	99.89	940	1214	2154	99.59	1383	1641	3024	99.67
	Epilepsy, Major	1	..	1	0.11	..	2	2	0.09	1	2	3	0.10
	Chorea	..	..	..	..	..	..	..	..	..	..	..	..
	Other disease	..	..	..	..	3	4	7	0.32	3	4	7	0.23
SKIN	No disease	438	424	862	98.97	940	1215	2155	99.63	1378	1639	3017	99.44
	Ringworm, Body ..	..	..	..	..	1	..	1	0.04	1	..	1	0.03
	Ringworm, Head ..	3	..	3	0.34	..	..	..	..	3	..	3	0.10
	Impetigo	2	2	4	0.46	2	3	5	0.25	4	5	9	0.30
	Scabies	1	1	2	0.23	..	1	1	0.04	1	2	3	0.10
	Other disease	..	..	..	..	..	1	1	0.04	..	1	1	0.03
RICKETS	No disease	441	425	866	99.43	943	1220	2163	100.00	1384	1645	3029	99.84
	Slight	2	2	4	0.46	..	..	..	..	2	2	4	0.13
	Marked	1	..	1	0.11	..	..	..	..	1	..	1	0.03
DEFORMITIES ..	No deformity	436	423	859	98.62	936	1200	2136	98.75	1372	1623	2995	98.71
	Deformity present ..	8	4	12	1.38	7	20	27	1.25	15	24	39	1.29
TUBERCULOSIS Non-Pulmonary	No disease	444	427	871	100.00	942	1218	2160	99.86	1386	1645	3031	99.90
	Glandular	..	..	..	..	1	2	3	0.14	1	2	3	0.10
	Bones and Joints ..	..	..	..	..	..	..	..	..	..	..	..	..
	Other forms	..	..	..	..	..	..	..	..	..	..	..	..
SPEECH	Not defective	440	423	863	99.08	940	1215	2155	99.63	1380	1638	3018	99.47
	Defective Articulation	4	4	8	0.92	1	5	6	0.28	5	9	14	0.46
	Stammering	..	..	..	..	2	..	2	0.09	2	..	2	0.07
MENTAL CONDITION	Normal	439	427	866	99.43	890	1183	2073	95.84	1329	1610	2939	96.87
	Dull or Backward ..	3	..	3	0.34	52	36	88	4.07	55	36	91	3.00
	Mentally defective, all grades	2	..	2	0.23	1	1	2	0.09	3	1	4	0.13
VISION.....	6/6 each eye (Normal Vision)	..	..	..	..	697	825	1522	70.36	..	..	..	..
	6/6 Right	..	..	..	..	50	88	138	6.38	..	..	..	..
	6/6 Left	..	..	..	..	50	59	109	5.04	..	..	..	..
	6/9 Right	..	..	..	..	91	208	299	13.82	..	..	..	..
	6/9 Left	..	..	..	..	113	211	324	14.98	..	..	..	..
	6/12 Right	..	..	..	..	47	45	92	4.25	..	..	..	..
	6/12 Left	..	..	..	..	27	51	78	3.61	..	..	..	..
	6/18 Right	..	..	..	..	25	16	41	1.90	..	..	..	..
	6/18 Left	..	..	..	..	23	32	55	2.54	..	..	..	..
	6/24 Right	..	..	..	..	9	15	24	1.11	..	..	..	..
	6/24 Left	..	..	..	..	15	17	32	1.48	..	..	..	..
	6/36 Right	..	..	..	..	16	16	32	1.48	..	..	..	..
	6/36 Left	..	..	..	..	10	15	25	1.15	..	..	..	..
	6/60 Right	..	..	..	..	5	4	9	0.42	..	..	..	..
	6/60 Left	..	..	..	..	3	6	9	0.42	..	..	..	..
SQUINT	6/0 Right	..	..	..	..	3	3	6	0.28	..	..	..	..
	6/0 Left	..	..	..	..	5	4	9	0.42	..	..	..	..
HEARING (Whisper)	20 ft. each ear (Normal Hearing)	444	427	871	100.00	937	1219	2156	99.68	1381	1646	3027	99.77
	20 ft. Right	..	..	..	..	3	1	4	0.19	3	1	4	0.13
	20 ft. Left.....	..	..	..	..	3	..	3	0.14	3	..	3	0.10
	10 ft. Right	..	..	..	..	2	..	2	0.09	2	..	2	0.07
	10 ft. Left.....	..	..	..	..	3	..	3	0.14	3	..	3	0.10
	5 ft. Right	..	..	..	..	1	..	1	0.04	1	..	1	0.03
	5 ft. Left.....	..	..	..	..	..	1	1	0.04	..	1	1	0.03



